

U.S.S.N. 10/037,847

REMARKS

Thorough examination and careful review of the application by the Examiner is noted and appreciated.

Claims 1-20 are pending in the application. Claims 1-20 stand rejected.

Claim Rejections Under 35 USC §112

Claims 1-20 are rejected under 35 USC §112, first paragraph, because the specification, while being enabling for a fringe-field, multi-domain LCD with two electrodes on a single substrate, does not reasonably provide enablement for a fringe-field, multi-domain LCD with two electrodes on opposing substrates.

Independent claims 1, 9 and 15 have been amended to correct a typographical error indicating both electrodes are located on the same substrate. The Examiner's rejection is respectfully traversed.

Claims 1-20 are rejected under 35 USC §112, second paragraph, as failing to set forth the subject matter which Applicants regard as their invention.

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The amendment made to claims 1, 9 and 15, as stated above, also resolves this rejection. A reconsideration for allowance of claims 1-20 is respectfully requested of the Examiner.

Claim Rejections Under 35 USC §102

Claims 1-2 and 15-16 are rejected under 35 USC §102(b) as being anticipated by Watanabe et al '182.

Independent claim 1 has been amended to further recite the limitation contained in dependent claim 3. Dependent claim 3 has been cancelled and withdrawn from further consideration by the Examiner.

Independent claim 15 has been amended to further recite limitations contained in dependent claims 17 and 18. Claims 17 and 18 have been cancelled and withdrawn from further consideration by the Examiner.

The Applicants respectfully submit that independent claims 1 and 15, and their dependent claims 2 and 16, are now in condition for allowance.

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Claims 1-2, 4-5, 8, 15-16 and 18 are rejected under 35 USC §102(e) as being anticipated by Komatsu '770.

Independent claim 1 has been amended to further recite the limitation of the electrically conductive grid being formed of Cr or MoCr which is not taught or disclosed by Komatsu. A reconsideration for allowance of claims 1-2, 4-5 and 8 is respectfully requested of the Examiner.

Independent claim 15 has been amended to further recite the limitation of the electrically conductive grid being formed of Cr, MoCr or indium-tin-oxide which is not taught or disclosed by Komatsu. A reconsideration for allowance of claims 15 and dependent claim 16 is respectfully requested of the Examiner.

Claim 18 has been cancelled and withdrawn from further consideration by the Examiner.

Claims 1, 5-8, 15 and 20 are rejected under 35 USC §102(b) as being anticipated by Lee et al '061.

Independent claim 1 has been amended to further recite the material used to form the electrically conductive grid. As such, the Applicants respectfully submit that independent claim 1, and its dependent claims 5-8, are not anticipated by Lee et al '061.

Independent claim 15 has been amended to further recite the limitations of the materials used for forming the electrically conductive grid. As such, the Applicants respectfully submit that independent claim 15, and dependent claim 20, are not anticipated by Lee et al '061. A reconsideration for allowance of these claims is respectfully requested of the Examiner.

Claims 9, 11 and 12 are rejected under 35 USC §102(e) as being anticipated by Matsuyama et al '765.

Independent claim 9 has been amended to further recite the limitations of the dimensions of horizontal and vertical bars that forms the electrically conductive grids. In its newly amended form, independent claim 9 is not anticipated by Matsuyama et al. Similarly, dependent claims 11 and 12 are likewise not anticipated

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by Matsuyama et al. A reconsideration for allowance of these claims is respectfully requested of the Examiner.

Claims 9-10 and 14 are rejected under 35 USC §102(e) as being anticipated by Kim et al '764.

Independent claim 9 has been amended to further recite the dimensional limits of the horizontal and vertical bars in forming the electrically conductive grids. As such, independent claim 9, and its dependent claims 10 and 14, are not anticipated by Kim et al. A reconsideration for allowance of these claims is respectfully requested of the Examiner.

Claim Rejections Under 35 USC §103

Claims 7 and 19 are rejected under 35 USC §103(a) as being unpatentable over Komatsu '770 in view of Pausch et al '665.

The rejection of claims 7 and 19 under 35 USC §103(a) based on Komatsu and Pausch et al is respectfully traversed.

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Claim 7 depends on claim 1, which now recites electrically conductive grids being formed of Cr or MoCr. Similarly, claim 19 depends on independent claim 15 which has been amended to further recite the material used in forming the electrically conductive grid. The Applicants respectfully submit that such limitation is not taught or disclosed by Komatsu, Pausch et al, either singularly or in combination thereof.

The rejection of claims 7 and 19 under 35 USC §103(a) based on Komatsu and Pausch et al is respectfully traversed. A reconsideration for allowance of these claims is respectfully requested of the Examiner.

Claims 3 and 17 are rejected under 35 USC §103(a) as being unpatentable over Komatsu '770 in view of Komatsu '770 (the Applicants suspect this is a typographical error).

The rejection of claims 3 and 17 under 35 USC §103(a) based on Komatsu and et al is respectfully traversed.

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Claim 3 depends on independent claim 1, which has been amended to further recite the limitations of the electrically conductive grid being formed of Cr or MoCr. The Applicants respectfully submit that neither material is taught or disclosed by Komatsu '770.

Claim 17 has been cancelled and withdrawn from further consideration by the Examiner. The limitations in claim 17 have been merged into independent claim 15, which now recites electrically conductive grid being formed of a material of Cr, MoCr or indium-tin-oxide.

The rejection of claims 3 and 17 under 35 USC §103(a) based on Komatsu '770 is respectfully traversed. A reconsideration for allowance of these claims is respectfully requested of the Examiner.

Claim 13 is rejected under 35 USC §103(a) as being unpatentable over Kim et al '764 in view of Kim et al '764.

The rejection of claim 13 under 35 USC §103(a) based on Kim et al is respectfully traversed.

While Kim discloses "the width of both counter and pixel electrodes is preferably 10-20 μm " (col. 1, lines 47-48), the Applicants fail to see how can these numbers be projected to Kim's device shown in Figure 3 in arriving at the present invention dimensions of width and distance between bars. The Kim reference therefore does not teach or suggest the claim limitations presently presented in claim 13.

The rejection of claim 13 under 35 USC §103(a) based on Kim et al is respectfully traversed. A reconsideration for allowance of claim 13 is respectfully requested of the Examiner.

Based on the foregoing, the Applicants respectfully submit that all of the pending claims, i.e. claims 1-2, 4-12, 14-16 and 19-20, are now in condition for allowance. Such favorable action by the Examiner at an early date is respectfully solicited.

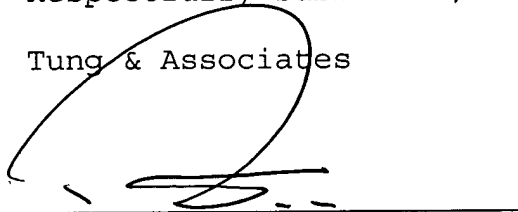
In the event that the present invention is not in a condition for allowance for any other reasons, the Examiner is

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respectfully invited to call the Applicants' representative at his Bloomfield Hills, Michigan office at (248) 540-4040 such that necessary action may be taken to place the application in a condition for allowance.

Respectfully submitted,

Tung & Associates

A handwritten signature in black ink, appearing to be 'Randy W. Tung', is written over a horizontal line. The signature is stylized with a large, looping initial 'R'.

Randy W. Tung
Reg. No. 31,311
Telephone: (248) 540-4040

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